Army Aviation – A Firm Foundation, Forging the Future

AUSA Aviation Symposium
6-8 January 2003

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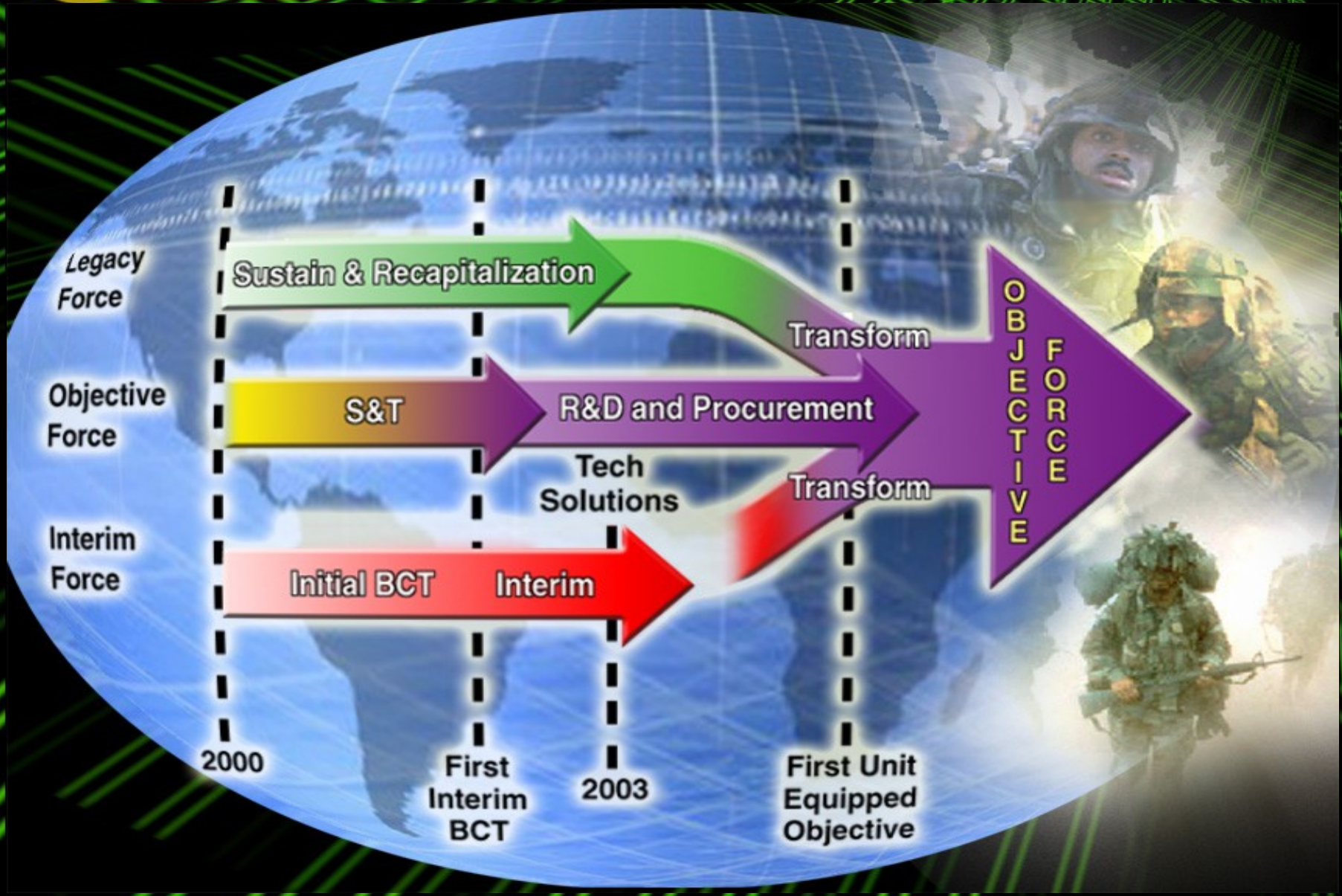
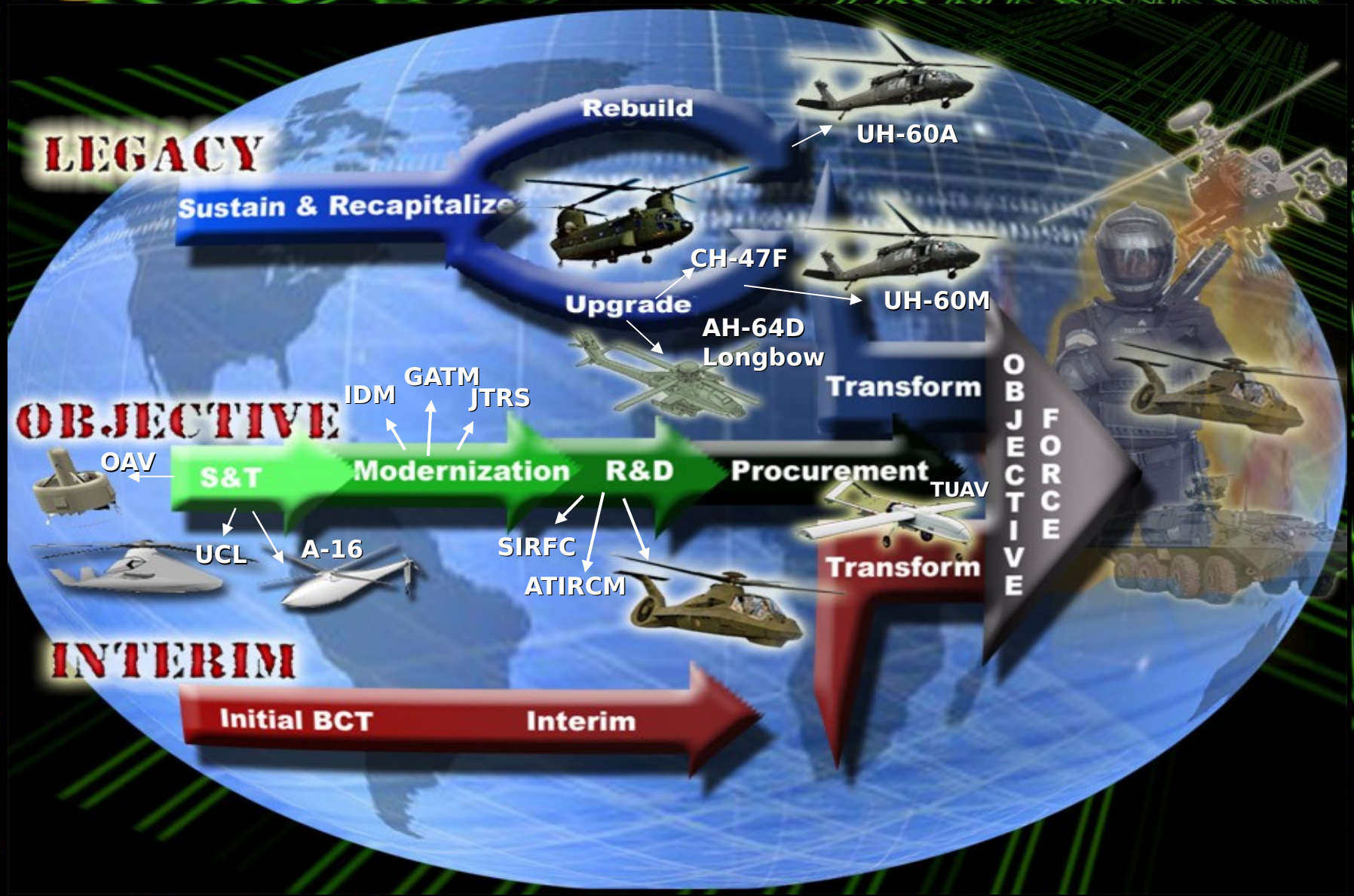
IS THIS THE FUTURE OF AVIATION?

The Army Transformation



Army Aviation Transformation



From Today to the Future

Yesterday

Today

Tomorrow?

The Challenge

"Thinking Outside the Bo

- **Capabilities vs. Platforms**
- **System of Systems vs. System of One**
- **Force Mix vs. Force Structure**

Attack & Reconnaissance

In the Box:

- Comanche
- Apache Modernization (AH-64D)
- Apache Recapitalization
- UAV

Out of the Box: Focus on CAPABILITIES

→

- C4ISR
- Threat Reduction
- UAV Linkages
  - Command and Control
  - Teaming
  - Other?
- Standoff Capability
- Weapons Requirements
  - On the platform
  - Sensor Shooter Mix
  - Remote
- Logistics
- O&S Cost Reduction

Utility

In the Box:

- Black Hawk
  - Modernization (UH-60M)
  - Recapitalization

Out of the Box: Focus on CAPABILITIES

→

- C4ISR
- Threat Reduction
- Logistics
- Re-supply Processes
  - Modularized
  - Robotics
- UAV Linkages
  - Command & Control
  - Other?
- O&S Cost Reduction
- Training

➢ Future Utility Rotorcrafts

Cargo

In the Box:

- Chinook
  - Modernization (CH-47F)
  - Recapitalization

Out of the Box: Focus on CAPABILITIES

→

- C4ISR
- Threat Reduction
- Logistics
- Resupply

Processes

- Modularized
- Robotics
- UAV Linkages
  - Resupply
  - Command & Control
- O&S Cost Reduction

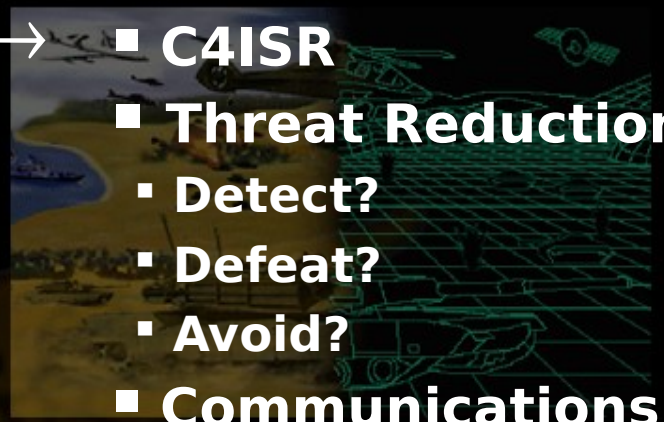
➢ Air Maneuver Transport (AMT)

Avionics & Survivability

Out of the Box: Focus on CAPABILITIES

In the Box:

- SIRFC
- ATIRCM
- ARC-220
- Improved Data Modem
- JTRS
- Air Warrior
- Safety Issues
  - Crash Worthy Seats
  - CABS (Cockpit Airbag Systems)
- Crash Ready External Fuel System (CEFS)



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- C4ISR
- Threat Reduction
  - Detect?
  - Defeat?
  - Avoid?
- Communications
  - Man-to-Man
  - Man-to-Machine
  - Machine-to-Machine
- O&S Cost Reductions
- Training
- Logistics

Questions for Industry

- The Army's Future is focused on FCS. What is the role of the Aviation industry?
- What are the plans of industry to enable ***Aviation*** transformation?
- How is the aviation industry thinking "Out of the Box" about the future of Army Aviation?
- How will the Army leverage Industry to reduce Operational and Sustainment (O&S) costs?
- How do we energize Industry to reduce Life Cycle Costs?
- How will Army Aviation interact with Future Combat Systems (FCS) and what is the aviation industry doing to ensure success?
- How does industry's future thinking ensure Army Aviation is in line with Army Transformation?

Summary

The challenges of "out of the box" thinking!

- **Capabilities vs. Platforms**
- **System of Systems vs. System of One**
- **Force Mix vs. Force Structure**
- **C4ISR**

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Back-Ups

Way Ahead

The challenge is to get "out of the box!"

- **Army Transformation is a vision that is "out of the box."**
- **To remain relevant, the future of Army Aviation must also be "out of the box."**
- **Army must think "out of the box."**